



SEQUENCE LISTING

<110> KRIEG, ARTHUR M

<120> NUCLEIC ACID COMPOSITIONS FOR STIMULATING IMMUNE RESPONSES

<130> C1037.70042US00

<140> US 10/613,524

<141> 2003-07-03

<150> US 60/394,091

<151> 2002-07-03

<160> 29

<170> PatentIn version 3.2

<210> 1

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 1

tcgtcgtttt tcggtcgttt t

21

<210> 2

<211> 24

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 2

tcgtcgtttt gtcgttttgt cgtt

24

<210> 3

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<220>

<221> misc_feature

<222> (1)..(12)

<223> n is a, c, g, or t

<400> 3

nnnnnnnnnn nngtcgttt t

21

<210> 4
<211> 9
<212> DNA
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 4
ggtcgttt

9

<210> 5
<211> 21
<212> DNA
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<220>
<221> misc_feature
<222> (13)..(21)
<223> n is a, c, g, or t

<400> 5
tcgtcgaaaa tcnnnnnnnn n

21

<210> 6
<211> 12
<212> DNA
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 6
tcgtcgaaaa tc

12

<210> 7
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 7
tcgtcgaaaa tcggtcgttt

20

<210> 8
<211> 19
<212> DNA
<213> Artificial sequence

<220>
<223> Oligodeoxynucleotide

<400> 8
tcgtcgaaaa tcgggtcgtt 19

<210> 9
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Oligodeoxynucleotide

<400> 9
tcgtcgaaaa tcgggtcggt 18

<210> 10
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Oligodeoxynucleotide

<400> 10
tcgtcgaaaa tcgggtcg 17

<210> 11
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Oligodeoxynucleotide

<400> 11
tcgtcgaaaa tcgggtc 16

<210> 12
<211> 15
<212> DNA
<213> Artificial sequence

<220>
<223> Oligodeoxynucleotide

<400> 12

tcgtcgaaaa tcggt	15
<210> 13	
<211> 14	
<212> DNA	
<213> Artificial sequence	
<220>	
<223> Oligodeoxynucleotide	
<400> 13	
tcgtcgaaaa tcgg	14
<210> 14	
<211> 12	
<212> DNA	
<213> Artificial sequence	
<220>	
<223> Oligodeoxynucleotide	
<400> 14	
tcgtcgaaaa tc	12
<210> 15	
<211> 21	
<212> DNA	
<213> Artificial sequence	
<220>	
<223> Oligodeoxynucleotide	
<400> 15	
tcgtcgaaaa tcggtcgttt t	21
<210> 16	
<211> 20	
<212> DNA	
<213> Artificial sequence	
<220>	
<223> Oligodeoxynucleotide	
<400> 16	
cgtcgaaaa cggtcgttt	20
<210> 17	
<211> 19	
<212> DNA	
<213> Artificial sequence	
<220>	

<223> Oligodeoxynucleotide

<400> 17

gtcgaaaaatc ggtcgaaaa

19

<210> 18

<211> 18

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 18

tgcggggggcg gtcgggggg

18

<210> 19

<211> 17

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 19

cgttttttcgg tcgtttt

17

<210> 20

<211> 16

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 20

gttttttcgggt cgtttt

16

<210> 21

<211> 15

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 21

ttttttcgggtc gtttt

15

<210> 22

<211> 14

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 22

tttcggtcg tttt

14

<210> 23

<211> 13

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 23

tttcggtcgt ttt

13

<210> 24

<211> 12

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 24

ttcggtcgtt tt

12

<210> 25

<211> 11

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 25

tcggtcgtt t

11

<210> 26

<211> 10

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 26

cggtcgtttt

10

<210> 27
<211> 13
<212> DNA
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 27
tcgtcgaaaa tcg

<210> 28
<211> 26
<212> DNA
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<220>
<221> misc_feature
<222> (4)..(23)
<223> n is a, c, g, or t; and any 0-20 may be absent

<400> 28

gggnnnnnnn nnnnnnnnnn nnnggg

<210> 29
<211> 49
<212> DNA
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<220>
<221> misc_feature
<222> (4)..(23)
<223> n is a, c, g, or t; and any 0-20 may be absent

<220>

<221> misc_feature
<222> (27)..(46)

<223> n is a, c, g, or t; and any 0-20 may be absent

<400> 29

gggnnnnnnn nnnnnnnnnn nnngggnnnn nnnnnnnnnn nnnnnnggg

